Experiment review process for NSRL

Proposal reviewed by:

BNL Associate Director for High Energy and Nuclear Physics
(User Proposal and Beam Line Request)

Chair of Scientific Advisory Committee for Radiobiology (SACR)
(Medical-Biology- Life Science Liaison)

Institutional Animal Care and Use Committee (IACUC)
(Medical-Biology- Life Science Liaison)

Human Studies Research Committee (HSRC)
(Medical-Biology- Life Science Liaison)

Life Science ES&H Review of Experiments
(Life Science Liaison)

C-A Safety Review (including EMS)
(OPM 9.2.1.f)

C-A Experimental Safety Review Committee
(OPM 9.2.1)

Beamline Review by RSC
(OPM 9.1.2)

C-A Experimental Safety Review Committee

Presentation to committee by:
Liaison Physicist
Medical Department Liaison
Biology Liaison
Generation of Checklist items

Generation of Work Plan

Facility Walk Through
Generation of Checklist

Experimental Work Plan

Reviewed by

Liaison Physicist
Experimental Spokesperson for Medical and Biology
Liaison Engineer
C-A ESHQ

NSRL – ANIMAL FACILITY OPERATIONS

Pre-start

1. Inspect all rooms and corridors to make sure facility is in good repair. Check for the following:
   - Condition of walls and floors (no cracks, or chipped paint, properly sealed surfaces and fixtures)
   - Adequate lighting
   - Appropriate ventilation, temperature, and humidity
   - Proper operation of security card system, locks, telephones, and hose stations
2. Sanitize entire facility including walls, floors, and ceilings using a mechanical pressure washer and disinfectant solution. Squeegee-dry all floors.
3. Bring in equipment and accessories as needed which include mop buckets, cage racks for housing animals, mobile carts, personal protective equipment and cleaning supplies.

Start

1. Transport animals to the NSRL in specified laboratory vehicle. Follow existing Standard Operating Procedure (SOP) for animal transport between the main animal facility and the NSRL.
2. Place all pre-caged animals in assigned animal laboratory.
3. Monitor room environmental conditions
4. Maintain animals in NSRL animal lab for no more than 24 hours
5. Transport animals back to the main animal facility in building 490

Post-start

1. Sanitize entire facility including walls, floors, and ceilings using mechanical pressure washer and disinfectant solution. Squeegee-dry all floors.
2. Restock supplies, cleaning materials, and personal protective equipment.

The "Guide for the Care and Use of Laboratory Animals" (The Guide), is the primary reference on animal care and use. Its purpose is to "assist institutions in caring for and using animals in ways judged to be scientifically, technically, and humanely appropriate." "The Guide" is financially supported by the National Institute of Health (NIH), Department of Agriculture, and the Department of Veteran Affairs, and published by the Government Printing Office.

NSRL- Biology Labs Check List

Things to Take:
> Sterile ddH$_2$O for incubators
> Key to Cell Room
> Lab ID badge
> Radiation Badge
> Access Badge

Cell Rooms

> Check Temps of incubators
> Empty water from incubator trays
> Place fresh trays and fresh sterile distilled H$_2$0 I incubators
> Check incubators for excess condensate and spills
>> Change shelves and clean as needed
> Check CO$_2$ tank levels
> Empty water from water baths
> Wipe down hoods.
> Clean counter tops as needed.
> Clean tables as needed
> If experimenters have left behind dosimetry sheets put in lab mail to M. Vazquez
> Check for trash left behind
>> Ordinary trash can go into dumpster
>> Cell flasks, etc. MUST GO TO MEDICAL DEPARTMENT
>> If Radioactive waste left, notify EH&S
> Sanitize floor as needed. Change sticky mat

Dark Room
> Check for general cleanliness
> Check fixer and developer levels. If required refill

Physics Room
> Check with dosimetrist to see if they need anything

Biology
> Make a list of unexpected solutions that are needed
> Return empty trays, shelves, etc. to Biology